

CLAIMS

1. An auxiliary material for use with a superconductive material, which is a pipe-like or a tape-like Ag alloy auxiliary material for use in a process of treating a superconductive material,

wherein Ag is used as a base material, MgO alone or MgO and NiO formed by internal oxidation are dispersed in the Ag base material, said MgO is 0.03 to 3.3 wt% and a balance is Ag, alternatively, MgO is 0.01 to 1.7 wt%, NiO is 0.02 to 1.3 wt% and a balance is Ag.

2. A method of manufacturing an auxiliary material for use with a superconductive material, said method comprising the steps of:

after a base material consisting of either an Ag-Mg composition or an Ag-Mg-Ni composition has been dissolved and cast, rolling or subjecting the base material to a pipe drawing treatment;

while being formed into a predetermined thickness and a predetermined length, subjecting the base material to an internal oxidation which is carried out at a temperature of 650 to 850°C and continued for 20 to 80 hours in an oxygen atmosphere having a pressure of 3 to 10 atm; and

further subjecting the base material to a rolling treatment or a pipe drawing treatment, thereby producing a

*Such
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tape-like material or a pipe-like material having a predetermined thickness and a predetermined length.

3. A method for manufacturing the auxiliary material
5 according to claim 2, wherein an Ag-Mg composition or an Ag-Mg-Ni composition each serving as a base material is so formed that Mg is 0.02 to 2.0 wt%, with a balance being Ag, alternatively, Mg is 0.01 to 1.0 wt%, Ni is 0.01 to 1.0 wt%, with a balance being Ag.

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